

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

# DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

☐ Declaration  
Submitted  
with Initial  
Filing

OR

☒ Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

|                        |               |
|------------------------|---------------|
| Attorney Docket Number | CECOM 5469    |
| First Named Inventor   | Arthur Tauber |
| COMPLETE IF KNOWN      |               |
| Application Number     | 09 / 845,108  |
| Filing Date            | 26 April 2001 |
| Group Art Unit         |               |
| Examiner Name          |               |

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

RARE EARTH METAL COMPOUNDS FOR USE IN HIGH CRITICAL TEMPERATURE THIN  
FILM SUPERCONDUCTORS, FERROELECTRICS, PYROELECTRICS, PIEZOELECTRICS,  
AND HYBRIDS

(Title of the invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

04/26/2001

as United States Application Number or PCT International

Application Number

09/845,108

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application<br>Number(s) | Country | Foreign Filing Date<br>(MM/DD/YYYY) | Priority<br>Not Claimed  | Certified Copy Attached? |                          |
|--|---------|-------------------------------------|--------------------------|--------------------------|--------------------------|
|  |         |                                     |                          | YES                      | NO                       |
|  |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|  |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|  |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|  |         |                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number or Bar Code Label ☐ OR ☒ Correspondence address below

Name  
U.S. Army Communications-Electronics Command  
ATTN: AMSEL-LG-L (George B. Tereschuk, Esq.)

Address

City Fort Monmouth State NJ ZIP 07703-5010  
Country U.S.A. Telephone (732) 532-9795 Fax (732) 389-3396

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name Arthur Family Name Tauber  
(first and middle [if any]) (first and middle [if any])

Inventor's Signature *Arthur Tauber* Date *May 8, 2001*

Residence: City Elberon State NJ Country U.S.A. Citizenship U.S.A.

Mailing Address  
927 Woodgate Ave.

City Elberon State NJ ZIP 07740 Country U.S.A.

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name Robert D. Family Name Finnegan  
(first and middle [if any]) (first and middle [if any])

Inventor's Signature *Robert D Finnegan* Date *May 16, 2001*

Residence: City West Long Branch State NJ Country U.S.A. Citizenship U.S.A.

Mailing Address  
59 Poplar Ave.

City West Long Branch State NJ ZIP 07764 Country U.S.A.

☒ Additional inventors are being named on the 2 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box → ☐

PTO/SB/02A (11-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 2

|   |       |   |             |
|---|-------|---|-------------|
| Name of Additional Joint Inventor, if any:    |       | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))        |       | Family Name or Surname  |             |
| William D.                                    |       | Wilber  |             |
| Inventor's Signature <i>William D. Wilber</i> |       | Date <i>15 May 2001</i>   |             |
| Residence: City                               | State | Country   | Citizenship |
| Neptune                                       | NJ    | U.S.A.  | U.S.A.      |
| Mailing Address                               |       |   |             |
| 14 Beach Road                                 |       |   |             |
| Mailing Address                               |       |   |             |
| City  | State | ZIP   | Country     |
| Neptune                                       | NJ    | 07753   | U.S.A.      |
| Name of Additional Joint Inventor, if any:    |       | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))        |       | Family Name or Surname  |             |
| Steven C.                                     |       | Tidrow  |             |
| Inventor's Signature <i>Steven C. Tidrow</i>  |       | Date <i>05/03/01</i>  |             |
| Residence: City                               | State | Country   | Citizenship |
| Silver Springs                                | MD    | U.S.A.  | U.S.A.      |
| Mailing Address                               |       |   |             |
| 14539 Cutstone Way                            |       |   |             |
| Mailing Address                               |       |   |             |
| City  | State | ZIP   | Country     |
| Silver Spring                                 | MD    | 20905   | U.S.A.      |
| Name of Additional Joint Inventor, if any:    |       | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))        |       | Family Name or Surname  |             |
| Donald W.                                     |       | Eckart  |             |
| Inventor's Signature <i>Donald W. Eckart</i>  |       | Date <i>29 May 01</i>   |             |
| Residence: City                               | State | Country   | Citizenship |
| Wall  | NJ    | U.S.A.  | U.S.A.      |
| Mailing Address                               |       |   |             |
| 1505 Rogers Road                              |       |   |             |
| Mailing Address                               |       |   |             |
| City  | State | ZIP   | Country     |
| Wall  | NJ    | 07719   | U.S.A.      |

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →




PTO/SB/02A (11-00)  
Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 2 of 2

|  |                  |   |        |
|--|------------------|---|--------|
| Name of Additional Joint Inventor, if any:   |                  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |        |
| Given Name (first and middle [if any])   |                  | Family Name or Surname  |        |
| William C.   |                  | Drach   |        |
| Inventor's Signature  |                  | Date 27 May 2001  |        |
| Residence: City  | West Long Branch | State   | NJ     |
|  |                  | Country   | U.S.A. |
| Citizenship U.S.A.   |                  |   |        |
| Mailing Address 11 Orchard Road  |                  |   |        |
| Mailing Address  |                  |   |        |
| City   | West Long Branch | State   | NJ     |
|  |                  | ZIP   | 07764  |
|  |                  | Country   | U.S.A. |
| Name of Additional Joint Inventor, if any:   |                  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |        |
| Given Name (first and middle [if any])   |                  | Family Name or Surname  |        |
|  |                  |   |        |
| Inventor's Signature   |                  | Date  |        |
| Residence: City  |                  | State   |        |
|  |                  | Country   |        |
| Citizenship  |                  |   |        |
| Mailing Address  |                  |   |        |
| Mailing Address  |                  |   |        |
| City   |                  | State   |        |
|  |                  | ZIP   |        |
|  |                  | Country   |        |
| Name of Additional Joint Inventor, if any:   |                  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |        |
| Given Name (first and middle [if any])   |                  | Family Name or Surname  |        |
|  |                  |   |        |
| Inventor's Signature   |                  | Date  |        |
| Residence: City  |                  | State   |        |
|  |                  | Country   |        |
| Citizenship  |                  |   |        |
| Mailing Address  |                  |   |        |
| Mailing Address  |                  |   |        |
| City   |                  | State   |        |
|  |                  | ZIP   |        |
|  |                  | Country   |        |

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

|                        |                               |
|------------------------|-------------------------------|
| Application Number     | 09/845,108                    |
| Filing Date            | 26 April 2001                 |
| First Named Inventor   | Arthur Tauber                 |
| Title                  | RARE EARTH METAL COMPOUNDS... |
| Group Art Unit         |                               |
| Examiner Name          |                               |
| Attorney Docket Number | CECOM 5469                    |

As a named inventor, I hereby give irrevocable control of this application to the Government of the United States, as represented by the Secretary of the Army, and hereby appoint:

☒ Practitioner(s) named below:

| Name                | Registration Number |
|---------------------|---------------------|
| Michael Zelenka     | 29,970              |
| George B. Tereschuk | 37,558              |
| John M. O'Meara     | 27,221              |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

Place Customer  
Number Bar Code  
Label here

OR

|   |  |       |                |     |            |
|---|--|-------|----------------|-----|------------|
| <input checked="" type="checkbox"/> Firm or Individual Name | U.S. Army Communications-Electronics Command |       |                |     |            |
| Address   | ATTN: AMSEL-LG-L (George B. Tereschuk, Esq.) |       |                |     |            |
| Address   |  |       |                |     |            |
| City  | Fort Monmouth                                | State | NJ             | Zip | 07703-5010 |
| Country   | U.S.A.                                       |       |                |     |            |
| Telephone   | (732) 532- 9795                              | Fax   | (732) 389-3396 |     |            |

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

|           |                      |
|-----------|----------------------|
| Name      | Arthur Tauber        |
| Signature | <i>Arthur Tauber</i> |
| Date      | May 8 2001           |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 6 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)  
Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

|                        |                                |
|------------------------|--------------------------------|
| Application Number     | 09/845,108                     |
| Filing Date            | 26 April 2001                  |
| First Named Inventor   | Arthur Tauber                  |
| Title                  | RARE EARTH METAL COMPOUNDS ... |
| Group Art Unit         |                                |
| Examiner Name          |                                |
| Attorney Docket Number | CECOM 5469                     |

As a named inventor, I hereby give irrevocable control of this application to the Government of the United States, as represented by the Secretary of the Army, and hereby appoint:

☒ Practitioner(s) named below:

| Name                | Registration Number |
|---------------------|---------------------|
| Michael Zelenka     | 29,970              |
| George B. Tereschuk | 37,558              |
| John M. O'Meara     | 27,221              |
|                     |                     |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

Place Customer  
Number Bar Code  
Label here

OR

☒ Firm or  
Individual Name

U.S. Army Communications-Electronics Command

Address

ATTN: AMSEL-LG-L (George B. Tereschuk, Esq.)

Address

City

Fort Monmouth

State

NJ

Zip

07703-5010

Country

U.S.A.

Telephone

(732) 532- 9795

Fax

(732) 389-3396

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

Robert D. Finnegan

Signature

Robert D. Finnegan

Date

May 16, 2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 6 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

|                        |                                |
|------------------------|--------------------------------|
| Application Number     | 09/845,108                     |
| Filing Date            | 26 April 2001                  |
| First Named Inventor   | Arthur Tauber                  |
| Title                  | RARE EARTH METAL COMPOUNDS ... |
| Group Art Unit         |                                |
| Examiner Name          |                                |
| Attorney Docket Number | CECOM 5469                     |

As a named inventor, I hereby give irrevocable control of this application to the Government of the United States, as represented by the Secretary of the Army, and hereby appoint:

☒ Practitioner(s) named below:

| Name                | Registration Number |
|---------------------|---------------------|
| Michael Zelenka     | 29,970              |
| George B. Tereschuk | 37,558              |
| John M. O'Meara     | 27,221              |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

Place Customer  
Number Bar Code  
Label here

OR

☒ Firm or  
Individual Name

U.S. Army Communications-Electronics Command

Address

ATTN: AMSEL-LG-L (George B. Tereschuk, Esq.)

Address

City

Fort Monmouth

State

NJ

Zip

07703-5010

Country

U.S.A.

Telephone

(732) 532-9795

Fax

(732) 389-3396

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

William D. Wilber

Signature

*William D. Wilber*

Date

15 May 2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 6 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → +

PTO/SB/81 (02-01)  
Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

|                        |                            |
|------------------------|----------------------------|
| Application Number     | 09/845,108                 |
| Filing Date            | 26 April 2001              |
| First Named Inventor   | Arthur Tauber              |
| Title                  | RARE EARTH METAL COMPOUNDS |
| Group Art Unit         |                            |
| Examiner Name          |                            |
| Attorney Docket Number | CECOM 5469                 |

As a named inventor, I hereby give irrevocable control of this application to the Government of the United States, as represented by the Secretary of the Army, and hereby appoint:

☒ Practitioner(s) named below:

| Name                | Registration Number |
|---------------------|---------------------|
| Michael Zelenka     | 29,970              |
| George B. Tereschuk | 37,558              |
| John M. O'Meara     | 27,221              |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

Place Customer  
Number Bar Code  
Label here

OR

☒ Firm or  
Individual Name

U.S. Army Communications-Electronics Command

Address

ATTN: AMSEL-LG-L (George B. Tereschuk, Esq.)

Address

City

Fort Monmouth

State

NJ

Zip

07703-5010

Country

U.S.A.

Telephone

(732) 532- 9795

Fax

(732) 389-3396

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

Steven C. Tidrow

Signature

*Steven C. Tidrow*

Date

05/03/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 6 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/81 (02-01)  
Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

|                        |                            |
|------------------------|----------------------------|
| Application Number     | 09/845,108                 |
| Filing Date            | 26 April 2001              |
| First Named Inventor   | Arthur Tauber              |
| Title                  | RARE EARTH METAL COMPOUNDS |
| Group Art Unit         |                            |
| Examiner Name          |                            |
| Attorney Docket Number | CECOM 5469                 |

As a named inventor, I hereby give irrevocable control of this application to the Government of the United States, as represented by the Secretary of the Army, and hereby appoint:

☒ Practitioner(s) named below:

| Name                | Registration Number |
|---------------------|---------------------|
| Michael Zelenka     | 29,970              |
| George B. Tereschuk | 37,558              |
| John M. O'Meara     | 27,221              |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

OR

Place Customer  
Number Bar Code  
Label here

☒ Firm or  
Individual Name

U.S. Army Communications-Electronics Command

Address

ATTN: AMSEL-LG-L (George B. Tereschuk, Esq.)

Address

City

Fort Monmouth

State

NJ

Zip

07703-5010

Country

U.S.A.

Telephone

(732) 532-9795

Fax

(732) 389-3396

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

Donald W. Eckart

Signature

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 6 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)  
Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

|                        |                            |
|------------------------|----------------------------|
| Application Number     | 09/845,108                 |
| Filing Date            | 26 April 2001              |
| First Named Inventor   | Arthur Tauber              |
| Title                  | RARE EARTH METAL COMPOUNDS |
| Group Art Unit         |                            |
| Examiner Name          |                            |
| Attorney Docket Number | CECOM 5469                 |

As a named inventor, I hereby give irrevocable control of this application to the Government of the United States, as represented by the Secretary of the Army, and hereby appoint:

☒ Practitioner(s) named below:

| Name                | Registration Number |
|---------------------|---------------------|
| Michael Zelenka     | 29,970              |
| George B. Tereschuk | 37,558              |
| John M. O'Meara     | 27,221              |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

Place Customer  
Number Bar Code  
Label here

OR

|   |  |       |                |     |            |
|---|--|-------|----------------|-----|------------|
| <input checked="" type="checkbox"/> Firm or Individual Name | U.S. Army Communications-Electronics Command |       |                |     |            |
| Address   | ATTN: AMSEL-LG-L (George B. Tereschuk, Esq.) |       |                |     |            |
| Address   |  |       |                |     |            |
| City  | Fort Monmouth                                | State | NJ             | Zip | 07703-5010 |
| Country   | U.S.A.                                       |       |                |     |            |
| Telephone   | (732) 532- 9795                              | Fax   | (732) 389-3396 |     |            |

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

|           |                         |
|-----------|-------------------------|
| Name      | William C. Drach        |
| Signature | <i>William C. Drach</i> |
| Date      | 27 May 2001             |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 6 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.